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(71) Applicant: MITSUI PETROCHEM IND LTD

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HARA YASUHIRO

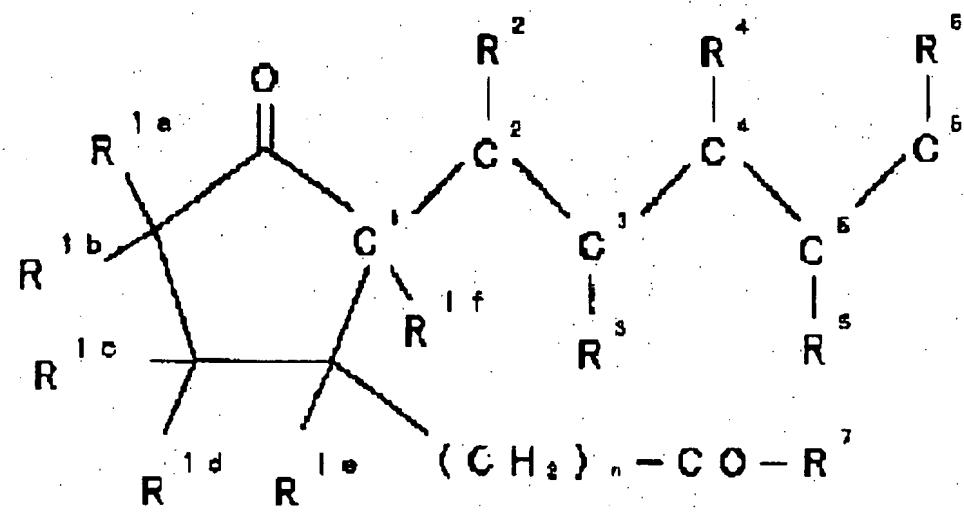
(74) Representative:

(54) PRODUCTION OF TAXANE-TYPE DITERPENE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a diterpene useful for curing, etc., of ovary cancer, breast cancer, lung cancer, etc., in high productivity by culturing tissue or cell of a plant producing taxane-type diterpene in the presence of a compound increasable of Ca concentration in the cell and recovering the product.

SOLUTION: The objective taxane-type diterpene (e.g. taxol) is obtained by culturing a tissue and/or cell of a plant producing taxane-type diterpene (e.g. *Taxus baccata* LINN) in the presence of a compound increasable of calcium concentration in the cell (e.g. calcium ionophore) or in the presence of a compound of the formula $JR1a-R1f$ are each H, OH, a 1-6C alkyl or a 1-6C alkoxy; R2-R6 are each H or a 1-6C alkyl; a side chain may contain more than one double bond; R7 is OH, an OM (M is an alkali metal, an alkaline earth metal or NH₄), an OR₉ (R₀ is a 1-8C alkyl or a hydrocarbon residue) or a 1-6C alkyl, etc.; (n) is 1-7[(e.g. tuberonic acid) and recovering a product from the resultant cultured substance and/or the medium.



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Title: **JP9028392A2: PRODUCTION OF TAXANE-TYPE DITERPENE**

Country: JP Japan

Kind: A

Inventor: TABATA HOMARE;
HARA YASUHIRO;

Assignee: MITSUI PETROCHEM IND LTD
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Published / Filed: Feb. 4, 1997 / July 17, 1995

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Priority Number: July 17, 1995 JP1995000180206

Abstract:

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